



## ITALIA 13.98 / TECHNICAL SPECIFICATIONS / EDITION DECEMBER 2015

### ITALIA 13.98

**Model:** Italia 13.98

**Project:** Maurizio Cossutti Yacht Design and Italia Yachts Design Team

**Builder:** Italia Yachts - Venezia

**CE Certification:** The boat is built according to the European Certification of compliance CE for pleasure craft "A" category

**Property and management:** Italia Yachts - Venezia

### DIMENSIONS AND TECHNICAL SPECIFICATIONS

**Lenght over all:** m 14,40 (46,92 ft)

**Hull lenght:** m 13,98 (45,87 ft)

**Waterline lenght:** m 12,46 (40,88 ft)

**Beam max:** m 4.30 (14,1 ft)

**Draft:** m 2,50 (7,87 ft)

**Displacement:** 9.500 kg

**Tanks:** Fuel Tank: n° 1 x 240 l ca.

**Water Tanks:** n° 2 x 240 l (tot. 480 l ca.)

**Engine:** Diesel Volvo 55 Hp (optional 75 Hp)

**Transmission:** Sail Drive

**Engine Battery:** n° 1 x AGM 55 Ah

**Services Battery:** n° 2 x AGM 120 Ah (third battery op. AGM 120 Ah)

### DOCUMENTATION

- CE certificate
- Certificate of Compliance
- Certificate of power of engine
- Owner's manual containing a description of the boat and of systems installed on board

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# ITALIA 13.98 YACHTS

## CONSTRUCTION

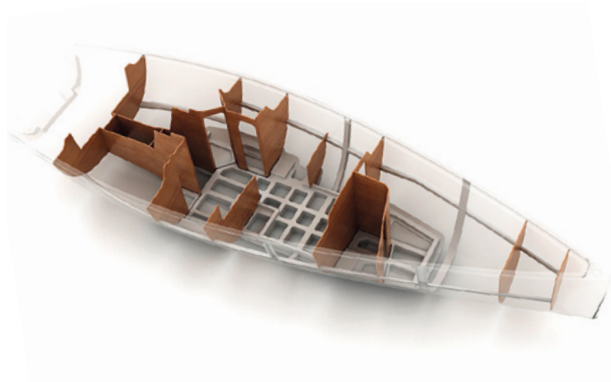
Hull and deck are laminated in sandwich with differentiated density PVC core; the unidirectional and biaxial E-glass fibres are laminated with vinylester resin. The lamination is carried out at controlled temperature between 16 and 25°.

Plates are included in the structure to increase resistance where the deck hardware is mounted. The collar of the mast is structural.

There is a structural carbon reinforced frame glued and laminated to the hull bottom.

The structural bulkheads of Italia 13.98 are made of marine plywood 15 mm to 25 mm thick and are glued and gusseted to the hull and deck. The deck is glued and laminated to the hull. A polyester strap is provided to lift the boat (optional).

Hull and deck are finished in gelcoat; walkable areas are prepared with antiskid from female mould. Cockpit benches and cockpit floor are covered with teak 10 mm thick.



## KEEL

The keel is "T" shaped with steel structure and the torpedo is cast lead with 3% antimony.

The steel structure is enclosed in a fiberglass fairing in order to optimize the wing sections.

## RUDDER

The rudder blade is laminated in fiberglass with PVC core on female moulds. The aluminium alloy (anticorodal 6082) rudder stock is biconical. The stock bearings are self-aligning.

The two wheels are 90 cm in diameter and are made in stainless steel covered by leather. A magnetic compass is installed near the helm position.

## DECK LAYOUT

The cockpit is open aft but it can be closed by a removable teak covered sundeck. Two side lockers are housed on benches.

Two lockers aft and one on the cockpit floor to accommodate the liferaft. Detachable footstops are provided for the helmsman.

At the bow there is an anchor locker and just astern of it there is a large dry sail locker.

## DECK GEAR

The access to inside is through a sliding hatch and a vertical closure in plexiglass. The pushpits are made of tubular stainless steel with a diameter of 25 mm including attachments of lifelines and brackets for navigation lights.

The following portlights and flush deck hatches are provided, all of them equipped by flyscreens:

- n° 2 opening hatches in front cabin
- n° 1 in front cabin head
- n° 1 in saloon
- n° 1 in each aft cabin

- n° 6 opening portlights (n° 3 x side) on the coach roof
- n° 2 opening portlights (n° 1 x side) on internal sides of cockpit
- n° 6 stainless steel moorings cleats are provided.

## BOW AND SAIL LOCKER

At bow, separated from the anchor locker, a deep locker can contain all the sails. Windlass and inox bow fitting are provided.

## WINCHES

All of them are 2 speeds and self tailing:

- n° 2 primary winches n° 52
- n° 2 mainsheet winches n° 48
- n° 2 halyards winches n° 44
- n° 3 handles are provided



## **RUNNING RIGGING**

### **Mainsheet system**

There is a reverse "T" system for the main sail adjustment with recessed track and traveller, including ball bearing blocks.

### **Jib trim system**

Jib tracks are 1,40 m long with ball bearings system and 1:5 purchase.

### **Backstay system**

Dyneema® back stay with hydraulic adjustment.

### **Mast collar**

Provided:

- n° 6 blocks
- n° 2 deck organizer
- n° 8 stopper

### **Padeyes**

The following standard padeyes are provided, foldable and fixed:

- n° 2 padeyes for gennaker sheet
- n° 2 vang padeye
- n° 1 padeye for gennaker tack
- n° 2 padeyes for lifeline in cockpit

### **Halyards and sheets**

All sheets and halyards are manufactured in Dyneema®

- Jib, mainsheet and gennaker halyards DSK 75 global diam. 12
- Mainsheet and Jib sheets DSK 75 global diam. 12
- Purchases: mainsail and jib travellers, vang and backstay DSK 75 global diam 6.
- Two reefs DSK 75 global diam. 10

## **MAST, BOOM, STANDING RIGGING**

### **Mast and boom**

Fractional double spreaders silver anodized aluminium mast including anchor light and steaming light. Silver anodized boom with double line reefing and internal boom outhaul, telescopic vang.

### **Standing rigging**

Discontinuous rigging with turnbuckles. Under deck jib furler. V1 chainplate is positioned on sheerline and D1 chainplate is placed on coach roof side for an easy forward-aft walkway.

## **ENGINE**

### **Engine**

The boat is provided with a diesel engine of 55 hp with S-drive transmission and a two-blade folding propeller complete with single lever control. It is present an instrument panel which can display hour count and water temperature alarm and oil pressure alarm.

### **Engine compartment**

The engine compartment is accessible frontally from the saloon and laterally from aft cabins. The whole compartment is clad by an insulating material to avoid noise and vibrations propagation.

## **TECHNICAL PLANTS**

### **Fuel system**

The fuel tank is in stainless steel and has a capacity of 240 l including vent overflow, inlet on deck, emergency stop valve and indicator on main panel display.

### **12 V electric system**

The 12 V electric system supplies all electrical power utilities.

All cables are suitable for nautical use according to CE regulations and are positioned in order to avoid contact with water. The electrical panel, housed near the chart table, contains all switches as for example: navigation light, electronical instruments, interior lighting, radio, VHF, etc.

A 12 V socket is provided at the chart table.

### **220 V system**

The 220 V system includes:

- n° 1 220 V socket positioned in the cockpit for shore cable connection.
- n° 1 220 V panel with safety circuit breaker.
- n° 1 battery charger 50Ah with switch on panel
- n° 1 220 V socket near the chart table
- A 220 V shore cable will be provided.

### **Interior lighting**

- n° 20 ceiling lights
- n° 8 reading lights
- n° 1 reading light in chart table

### **Navigation lights**

LED navigation lights.

### **Fresh water system**

It is present a hot-cold fresh water system under pressure.

There are two 240 l tanks made of stainless steel with inlet is on deck. The water is circulated by an autoclave pump.

The hot water comes from a 30 l water heater with power supplied from 220 V system or engine heat exchanger.

### **Bilge system**

The bilge system is made by a selfpriming electric pump and a manual bilge pump, which can be operated from the cockpit.

Five stanchions are positioned to the sides.

### **Gas system**

A gas system is installed for the galley which includes a compartment in the cockpit to contain a 3 kg bottle. A copper tube runs from the tank compartment and arrives to the galley, the last section of copper pipe is replaced by a rubber pipe.

There are 2 safety valves, one close to the external compartment and one near the stove.

## INTERIORS

All interiors and bulkheads are veneered in teak with satin varnish.

### Galley

The "L" galley including cupboards and drawers has a three burner tilting stove, a refrigerator of about 150 l capacity with accumulator plate and separated compressor, n° 2 stainless steel sinks with hot and cold water mixer. It is possible to install a second frontal opening refrigerator (optional).

### Dinette

The saloon consists of an "U" sofa (240 cm) and a table (110 x 80 cm), a sliding pouf that offers 2 more seats; on the opposite side there is another sofa (150 cm). There are also large storage spaces and hanging cabinets.

### Chart table

There is a wide chart table with seat, drawers and storage for navigation equipment.

### Cushions

The boat is provided with removable mattresses for bunks and seats in polyurethane foam covered in washable cotton in different colours.

### Front cabin

- Double bed (200 x 150 x 120 cm),
- n° 1 wide wardrobe (95 x 50 cm) with shelves and hangers and two rows of hanging lockers.
- There are large drawers under the bed.

### Aft cabins

Both the aft cabins are provided with double bed (200 x 145 x 120 cm) and wide wardrobes with hanger and shelves (cm 65 x 50 cm).

### Head compartments

There are two bathrooms, one in owner's cabin with separated shower, and one with access from the saloon and from aft cabin. Both are in VTR and provided with teak grating on floor, mirror, cabinets and marine toilets. The sinks have hot/cold water mixer.

## SAIL AREA

**Mainsail + jib:** 124 mq (1.345 sq ft)

**Mainsail + gennaker:** 226 mq (2.432 sq ft)

Right to modifications without prior notice.

